# Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_

Choose Two:

\_\_\_\_\_\_ Get organized

Develop a table that classifies elements as metals, nonmetals, or metalloids. List the names and chemical symbol of each element classified in each group.

\_\_\_\_\_\_ All in the Family

Elements sharing the same group make up a chemical family. Select one group of elements from Groups 1, 2, 13, 14, 15, 16, 17, or 18. Do research to identify six properties shared by the elements up that group. Create a graphic organizer that illustrates the properties of these elements.

\_\_\_\_\_\_ What’s in a name?

Choose three elements from the periodic table whose symbols are not made up from letters of the element’s name. Research why the symbol for the element was selected. Summarize your findings in a table and include each element’s name symbol atomic number, and atomic mass.

\_\_\_\_\_\_ Atoms Acting Out!

Write a play in which you imagine that you have just developed the atomic theory. Be sure to explain the atomic theory in your play.

\_\_\_\_\_\_ Atoms Sing-a-long

Write a song about the structure of an atom. You must include location, charge, and mass for all three subatomic parts. Make sure to include what tune the song is sung to.